

A-670

GENERAL FILES NUMBER

44-1-22

File

Waste Disposal
1425/1
File

Date 1/7/44

Those Eligible
To Read The
Attached

Subject (PROBLEM OF ACTIVE WASTE DISPOSAL IN 706-A)

By Cantril

MUC No. _____

Copy #

1 *Vaughan*

To Vaughan

Cent. File

Before reading this document, sign and date below

Name

Date

Name

Date

B Vaughan

1/10/44

B Allen

1/10/44

J. Bell

1/10

This document consists of /
 pages and 0 figures.
 No. 1 of 6 copies, Series A.

CLINTON LABORATORIES

DATE 1/7/44

1. F. Vaughn
2. W. Johnson
3. O.H. Greager
4. Readers File
5. S.T. Cantril
6. Central File

To Mr. Frank Vaughn

DEPARTMENT

FROM S. T. Cantril

DEPARTMENT Medical

IN RE:

~~SECRET~~

Vaughn
Johnson
Greager
Cantril
Central File

At one of the recent safety meetings held by Messrs Coryell and Cohn, the question arose as to the problem of active waste disposal in 706A. The question was asked whether "hot" material poured down the "hot" drains located in the west end of 706A should be diluted. In checking over the waste disposal from 706A and in talking with Mr. C. E. Stone, my information is as follows -

The waste disposal tank on the west side of 706A, capacity 1877 gals., can be diverted either to waste storage tanks W5, W7 or W9, or can be diverted to the cooling water ponds. Under the present set up the valve is now so operated that material goes directly from the tank of the west side of 706A to the cooling water pond without monitoring. Material poured down the sinks in 706A goes directly to the cooling water ponds without entering any collecting tank.

It would seem to me that the amount of dilution which would be added in 706A to any material going to the waste tank on the west side of the building would be negligible as compared with the amount of dilution it eventually received in the cooling water ponds. This same holds true for material emptied into the sinks in 706A.

It would seem to me however that in case of any proposed large dumping of wastes into the hot drains in 706A, which lead to the tank on the west side of the building, you should be notified of same so that either monitoring can be done before it is allowed to go to the cooling ponds or the present diversion to cooling ponds be held up until such monitoring is made. As I understand it the monitoring of this particular tank is under your jurisdiction.

It would seem to me that you and Mr. Johnson should have some formal understanding of the waste problem from 706A as it concerns the monitoring and emptying into the cooling water ponds or large waste tanks. Perhaps this has already been done but if so I am not familiar with the set up.

S. T. Cantril
 S. T. Cantril, M. D.

STC/w

P.S. Mr. L. S. Parker in Mr. Schwertfeger's Group has a very excellent map of this distribution, #CL-625-1 on which he has outlined in various colored pencils the waste disposal of 706A, in case you should need it for reference. S.T.C.

This document has been approved for release to the public by:

David K. Hamlin
 Technical Information Officer
 ORNL Site

Date

DATE SEP 20 1963

For The Atomic Energy Commission

H. F. Canale
 Chief, Declassification Branch

This document contains information affecting the national defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C., Sec. 793 and 794, the transmission or the revelation of its contents in any manner to an unauthorized person is prohibited by law.